CLAIMS:

- 1. Process for producing a windable spunlaid material comprising
  - producing thermoplastic polymer filaments;
- laying the filaments upon a moving support to provide at least one layer with a machine direction tensile strength of less than about 5 N per 5 cm at a basis weight of 50 gsm;
- passing the at least one layer through a compacting calender having a surface temperature and nip pressure such that said temperature and said nip pressure do not cause the filaments of said at least one layer to exceed a melting point of the filaments; and
- winding the at least one layer at a tension of less than about 40 N/m; wherein said at least one layer is provided in absence of prebonding of said filaments.
- 2. Process for producing a windable spunlaid material comprising
  - producing thermoplastic polymer filaments;
- laying the filaments upon a moving support to provide at least one layer with a machine direction tensile

strength of less than about 5 N per 5 cm at a basis weight of 50 gsm;

- passing the at least one layer through a compacting calender having a surface temperature of less than about 130°C at a calender nip pressure of about 30 N/mm; and
- winding the at least one layer at a tension of less than about 40  $\ensuremath{\text{N/m}};$

wherein said at least one layer is provided in absence of prebonding of said filaments.

- 3. Process according to claim 1 or 2 wherein said filaments are produced from a polyolefin.
- 4. Process according to claim 3 wherein said polyolefin is polypropylene.
- 5. Process according to claim 1 or 2 wherein said filaments are produced from a polyester.
- 6. Process according to claim 1 or 2 wherein the surface temperature of said calender is less than about 120°C.

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- 7. A process according to claim 1 or 2 further comprising including an additive in said producing of the filaments.
- 8. A process according to claim 1 or 2 further comprising incorporating an additive in said at least one layer.
- 9. Process of forming a nonwoven material comprising
  - producing thermoplastic polymer filaments;
- laying the filaments upon a moving support to provide at least one layer with a machine direction tensile strength of less than about 5 N per 5 cm at a basis weight of 50 qsm;
- passing at least one layer through a compacting calender having a surface temperature and nip pressure such that said temperature and said nip pressure do not cause the filaments to exceed a melting point of the filaments;
- winding the at least one layer at a tension of less than about 40 N/m; and
- unwinding the at least one layer and subjecting said at least one layer to hydroentanglement to provide a nonwoven material;

wherein said at least one layer is provided in absence of prebonding of the filaments.

- 10. Process of forming a nonwoven material comprising
  - producing thermoplastic polymer filaments;
- laying the filaments upon a moving support to provide at least one layer with a machine direction tensile strength of less than about 5 N per 5 cm at a basis weight of 50 gsm;
- passing the at least one layer through a compacting calender having a surface temperature of less than about 130°C at a calender nip pressure of about 30 N/mm;
- winding the at least one layer at a tension of less than about 40 N/m; and
- unwinding the at least one layer and subjecting
  said at least one layer to hydroentanglement to provide a nonwoven material;

wherein said at least one layer is provided in absence of prebonding of the filaments.

11. Process according to claim 9 or 10 wherein said filaments are produced from a polyolefin.

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12. Process according to claim 11 wherein said polyolefin is polypropylene.

- 13. Process according to claim 9 or 10 wherein said filaments are produced from a polyester.
- 14. Process according to claim 9 or 10 wherein the surface temperature of said calender is less than about 120°C.
- 15. A process according to claim 9 or 10 further comprising including an additive in said producing of the filaments.
- 16. A process according to claim 9 or 10 further comprising incorporating an additive in said at least one layer.
- 17. Process according to claim 9 or 10 wherein said hydroentanglement is carried out utilizing a plurality of water jets with varying pressures.
- 18. A spunlaid product produced by the process according to claims 1, 2, 9 or 10.

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- 20. A material according to claim 19 wherein the thermoplastic polymer of said filaments is a polyolefin.
- 21. A material according to claim 20 wherein said polyolefin is polypropylene.
- 22. A material according to claim 19 wherein the thermoplastic polymer of said filaments is a polyester.
- 23. A material according to claim 19 further comprising incorporating an additive in said filaments.
- 24. A material according to claim 19 further comprising incorporating an additive in said at least one layer.

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25. A material according to claim 19 wherein said at least one layer is essentially free of bonding sites.